

Nickolai Fedoseev

Software Developer

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[fe-nick-s.github.io/](https://github.com/fe-nick-s)



Summary

Results-oriented developer with 5+ years of experience developing, testing, and maintaining enterprise software applications. A hard-working developer focused on building highly scalable applications with a special interest in APIs, microservices, containerized applications, and distributed systems. Currently, I specialize in Python, Go, JS/NodeJS, React (less often) to focus on real-world practices of building system architecture, provide guidance and recommendations for developing and maintaining successful solutions in enterprises and startups.

Experience

Python/JS Developer (Remote)

Oct 2019 - Present

PlayCanvas (AI Factory) - Sochi, Russia

Developed and maintained back-end services for mobile applications, automated process workflows, worked with different subtools and APIs for localization

Key responsibilities:

- Designed and implemented services (REST, gRPC) for communication with internal/external services on Python, Go, Java;
- Continuous improvements and refactorings of existing codebases;
- Automated internal business processes;
- Implemented and maintained services for deployment, localization and content delivery;
- Aggregated, collected, filtered different metrics for subsequent processing by analysts;

Technologies in use:

Python/(Flask, Pandas, Numpy), JS/(NodeJS, Webix), Bash
Grafana, Looker, MongoDB
YouTrack/Jira, GitHub, Docker, k8s, TeamCity, Ansible, AWS (S3, EC2)

Back-End Developer (Remote)

Apr 2018 - Oct 2019

NexusTelecom (SysQual) - Moscow, Russia

Developed and maintained back-end services for aggregating and analyzing data of mobile flows

Key responsibilities:

- Designed and implemented services (REST, gRPC) for communication with internal services on Python, Golang;
- Continuous improvements and refactorings of existing codebases;

Key achievements:

- Wrote Ansible scripts to automatically update system components;

Technologies in use:

Python/(Flask, Pyramid, AsyncIO, SQLAlchemy, Celery, Flower), GoLang/(Gin, Gorm, fasthttp, easyjson), JS/(ReactJS, Redux, NodeJS), Lua, Bash
Jupyter(Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow)
PostgreSQL, ClickHouse, Memcached, Redis, Tarantool, RabbitMQ, NATS, Kafka, Spark
Jira, GitLabCI, Docker, k8s, Ansible, Puppet, ELK, Zabbix, Jenkins

Core Competencies

- Software design
- System analysis
- Communication skills
- Result- and quality-orientation
- Perseverance

Skills

Programming languages



- Go
- Python (2.x, 3.x)
- JavaScript (ES 5-7)
- Java
- Bash

Databases & Search Tools



- PostgreSQL, MySQL
- MongoDB
- Sphinx, Elasticsearch
- ClickHouse
- Redis, Memcached

DevOps



- Docker, Docker-Compose, k8s
- Ansible, Puppet
- Nginx
- Zabbix, Grafana
- GitLabCI

Other



- Git, Mercurial, TFS
- RabbitMQ, NATS
- Swagger
- Jira, Trello, Asana

Spoken languages



- English Intermediate, IELTS (B2)
- Russian Native
- Komi Native

Interests

- Travelling
- Drawing
- Guitar

Back-End Developer

Dec 2017 - May 2018

[MTS \(Stream LLC\) - Moscow, Russia](#)

Developed and maintained back-end services for the mobile application

Key responsibilities:

- Designed and implemented services (REST, SOAP, gRPC) for communication with external services;
- Participated in project meetings with technical staff members, business analysts, external remote teams;
- Supervised functional and load testing, reviewed and analyzed test results;

Key achievements:

- Implemented a log monitoring system based on ELK and Zabbix to increase product quality and stability and reduce fault notification time;

Technologies in use:

Python, GoLang/(Gin, Gorm, fasthttp, easyjson), Bash
Mobile(ReactNative, Android SDK, Java), Firebase, WebSocket
SQLite, MySQL/(Percona), Memcached, Redis, RabbitMQ
Jira, Bitbucket, Docker, k8s, Ansible, ELK, Zabbix

Software Developer/DevOps Engineer

Jun 2015 - Dec 2017

[ER-Telecom Holding - Perm, Russia](#)

Developed and maintained various applications, services, scripts for validating configurations of network and server infrastructure, collecting data to monitoring systems, automating of working scenarios

Key responsibilities:

- Developed and maintained internal tools and services on Golang, Python, Bash, Perl, PHP;
- Collaborated with other teams in the department to translate requirements into implementable user stories;
- Participated in project meetings with technical staff members, business analysts;
- Led 2-4 part-time/remote developers;

Key achievements:

- Developed and integrated the configuration validator based on RegExp for different vendors of network equipment, reduced network downtime;
- Implemented the service for monitoring broadcast by capturing a screen frame, reduced fault notification time;

Technologies in use:

Python/(Django, DRF, Tornado, Celery, SQLAlchemy, Flower), GoLang, JS/(jQuery, ExtJS, AngularJS 1.x, NodeJS), Perl, Bash
PostgreSQL, MySQL, MongoDB, Memcached, Redis, RabbitMQ, NATS
Jira, GitLabCI, Docker, Ansible, Puppet, ELK

Software Developer (Remote, Part-time)

Apr 2017 - Nov 2017

[Site Consulting - Sankt-Petersburg, Russia](#)

Developed and maintained a web-application of aggregating and analyzing data from the Asana

Key responsibilities:

- Designed and implemented back-end services (REST, SOAP) for communication with external services, such as Asana and Hubstaff;
- Implemented and maintained configurations for deploying and monitoring docker-containers on AWS;

- Mentored over 2 junior developers;

Key achievement:

- Improved product quality through code reviews, writing effective unit tests and collaborating with team members on implementing automation testing;
- Used Jenkins and automated a deploying to cut release times;

Technologies in use:

Python/(Django, DjangoREST, Celery, Flower), JS/(ReactJS, Redux, NodeJS), Bash
Mobile(ReactNative, Android SDK, Java), Firebase, WebSocket
SQLite, PostgreSQL, RabbitMQ
Asana, Docker, Ansible, AWS/(EC2, S3, SQS, SES, RDS)

Back-End Developer (Remote, Part-time)

Jan 2017 - May 2017

[FinIT- Moscow, Russia](#)

Developed and maintained a scoring system and other services of application for providing microloans

Key responsibilities:

- Designed and developed services for separating a monolithic application into independent microservices;
- Implemented and maintained configurations for deploying and monitoring docker-containers using OpenShift;
- Aggregated, collected, filtered different metrics for subsequent processing by analysts;

Key achievements:

- Migrated data from MySQL to PostgreSQL, reducing the server loading and query execution time;
- Implemented a separate service to communicate with external services (NCB, Equifax, etc) to improve the capacity of tasks queue;

Technologies in use:

Python/(Django, Flask, SQLAlchemy, Celery, Flower), GoLang, JS/(ReactJS, Redux, NodeJS), Bash
Jupyter(Pandas, NumPy, Matplotlib)
PostgreSQL, MySQL, RabbitMQ
Jira, GitLabCI, Docker, OpenShift, ELK

Software Developer

Jun 2012 - Jun 2015

[JSC PROGNOZ - Perm, Russia](#)

Developed and maintained a desktop BI-applications based on PrognozPlatform and different Add-Ins for MS Word/Excel based on .NET for IMF (International Monetary Fund) and EC (European Commission)

Key responsibilities:

- Implemented, released and delivered new features following by SRS 2-3 time per year;
- Supported programming changes during quality assurance, user acceptance testing, and post-implementation;
- Supervised applications auto- and regression testing, reviewed and analyzed test results;

Key achievements:

- Developed and integrated a testing system that covered of the application code, boosted quality and stability;
- Rebuilt the report builder submodule from system to custom components that reduced the delivery time of modifications from 2-3 days to 1-3 hours;

Technologies in use: C#, .NET, PrognozPlatform 5/7/8; MS SQL (2008-R2/2012); TFS

Education

Specialist (engineer's degree) in Computer Science, 4.7 2009 - 2014

[Perm National Research Polytechnic University \(PNRPU\), Perm, Russia](#)

Disciplines: Data structures, Algorithms, Graph theory, Object oriented design and programming, Databases, System programming, Computer systems and networks, Concurrent computing, Probability theory and statistics, Mathematical modeling, Mathematical physics etc.

Programming languages: C/C++, PHP, Prolog, Haskell, Python, Java, C#, etc

Activities: Competitive math and programming